AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A multilayer structure on a bottom of a contact hole, said multilayer structure comprising a titanium film on a silicon region and a titanium nitride film on said titanium film,

wherein said titanium nitride film has a compressive stress of not higher than $\frac{5\times10^9}{3\times10^9}$ dyne/cm² so that said titanium film has such a high stability as preventing any crack upon changing said compressive stress to a tensile stress by a heat treatment.

- 2. (canceled)
- 3. (original) The multilayer structure as claimed in claim 1, wherein said titanium nitride film is mainly oriented in a (200)-face.
- 4. (original) The multilayer structure as claimed in claim 1, wherein said contact hole has an aspect ratio of not less than 4.
- 5. (original) The multilayer structure as claimed in claim 4, wherein said contact hole has an aspect ratio of not less than 5.

- 6. (currently amended) A contact plug structure in a contact hole in an inter-layer insulator on a silicon substrate, said contact plug structure comprising:
- a titanium film on a bottom and a side wall of said contact hole;
 - a titanium nitride film on said titanium film;
- a metal plug on said titanium nitride film so that said metal plug buries said contact hole; and
- a titanium silicide layer in a surface region of said silicon substrate and in contact with a bottom of said contact hole,

wherein said titanium nitride film free of any crack and has a tensile stress of not higher than $\frac{3\times10^9}{2\times10^9}$ dyne/cm².

- 7. (canceled)
- 8. (original) The contact plug structure as claimed in claim 6, wherein said titanium nitride film is mainly oriented in a (200)-face.
- 9. (original) The contact plug structure as claimed in claim 6, wherein said contact hole has an aspect ratio of not less than 4.
- 10.(original) The contact plug structure as claimed in claim 9, wherein said contact hole has an aspect ratio of not less than 5.